

Title (en)
PROTEIN PURIFICATION METHODS

Title (de)
PROTEINAUFREINIGUNGSVERFAHREN

Title (fr)
PROCÉDÉS DE PURIFICATION DE PROTÉINES

Publication
EP 2953965 A4 20160914 (EN)

Application
EP 14749299 A 20140205

Priority

- US 201361761646 P 20130206
- US 201361764966 P 20130214
- US 201361831099 P 20130604
- US 201361859772 P 20130729
- US 201361907877 P 20131122
- SG 2014000047 W 20140205

Abstract (en)
[origin: WO2014123485A1] A method for the purification of a desired protein from a protein preparation includes conditioning the protein preparation by treatment with soluble organic multivalent ions, immobilized organic multivalent ions, or both, optionally in the presence of supersaturated allantoin, thereby removing at least 90% of chromatin, then (1) precipitating the desired protein with a non-ionic organic polymer in the presence of non-protein-precipitating salts at greater than physiological concentration to provide a precipitate of the desired protein; or (2) precipitating the desired protein with a nonionic organic polymer in the absence of non-precipitating salts at greater than physiological concentration to provide a precipitate and subsequently washing the precipitate with a nonionic organic polymer in the presence of non-protein-precipitating salts at greater than physiological concentration.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

- [ADP] GAN HUI THENG ET AL: "Characterization and removal of aggregates formed by nonspecific interaction of IgM monoclonal antibodies with chromatin catabolites during cell culture production", JOURNAL OF CHROMATOGRAPHY, ELSEVIER SCIENCE PUBLISHERS B.V, NL, vol. 1291, 28 March 2013 (2013-03-28), pages 33 - 40, XP028588665, ISSN: 0021-9673, DOI: 10.1016/J.CHROMA.2013.03.028
- See references of WO 2014123485A1

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